

2007 Engineering Conference Breakout Period 4.

2. Construction Level P.I.

Track: Public Involvement

Presenters: Myron Lee, Josh VanJuara and Steve Poulsen

Synopsis: Planners and designers can spend years moving a road project through the environmental and design phases. But only when the first barrels appear and heavy equipment starts rolling through a project do people fully realize what potential conflicts loom between contractor, business owner, and motorist during construction – emotions can begin to run high and confrontations may seem necessary. This breakout session will explore how resident engineers, field engineers and construction project managers can calm the nerves of residents and business owners during the construction phase of a road project, how conflicts may be resolved before they arise, and how UDOT and its contractors can benefit from well placed public involvement activities during construction.

Time Required: 50 Minutes

7. Categorical Exclusion Document Preparation

Track: Environmental

Presenter: UDOT Central Environmental Staff

Synopsis: This session will focus on the preparation of Categorical Exclusion Environmental Documents. A tutorial of the ePM Categorical Exclusion Form will be demonstrated. Common mistakes and reoccurring problems will also be discussed.

Time Required: 50 Minutes

12. MOTIVATE ME I DARE YOU!

Track: Leadership/Organizational Issues

Presenters: Kirk Weisler

Synopsis: Expectations of UDOT are High, and leaders are asking, “How do I motivate these people?” At the same time many are also wondering, “And how can I keep my self motivated too?” The answer is both easier and harder than you think. This is a high energy, high octane session where we’ll revisit the source of motivation as we seek to understand how to keep ourselves and those around us more motivated, more committed and more engaged.

Time required: 50 minutes

17. University Students

Track: Leadership/Organizational Issues

Presenter(s): Rick Murdock

Synopsis: A UDOT-sponsored informational session for University Student attendees.

Time Required: 50 minutes

41. Technology Transforming Transportation (VII Update)

Track: ITS / Traffic Management / Safety

Presenters: Bryan Chamberlain and Richard Manser

Synopsis: Using technology to communicate between the vehicle, the roadway and the driver will provide major breakthroughs in safety and mobility on the highways. Many of the major car manufactures along the USDOT and many of the state DOTs, including UDOT, are working together to make this vision a reality. Proof of concept testing is currently underway in Michigan where 75 miles of roadway has been instrumented with 57 wireless units installed at key intersections. Information exchanged includes traffic signal timing, advisory information for the driver, vehicle data including speed, direction, location, etc. Come learn more about the status of the Vehicle Infrastructure Integration initiative and how it will impact the future of transportation.

Time Required: 50 minutes

54. Cement Sustainability

Track: Materials

Presenters: Todd Laker, Holcim Cement

Synopsis: As the construction industry is becoming more and more "Green" it is important to understand how cement, a major component of concrete, can also be environmentally friendly. The Cement industry has sustainable initiatives that are greatly affected by specifications, however blended cements are gaining acceptance. These products help cut CO2 emissions, lower energy consumption and are engineered to perform equal to original Portland cements. This presentation will explore sustainable options and solutions in the cement industry.

Time Required: 50 minutes

64. Digital Signatures

Track: Design

Presenters: Bob Peterson

Synopsis: This course will help consultants to become familiarized with the use of digital signatures on their Design Projects. This course's intended audience is Consultants who take part in the design process.

Time Required: 50 minutes

70. Accelerated Bridge Construction (ABC) Techniques (1/2 Day)

Track: Structures/Research/Hydraulics/Right of Way

Presenters: Richard Miller, Boyd Wheeler, Danny Page, and Designers of ABC Projects

Synopsis: A look into the future of structural construction, replacement, and rehabilitation in Utah using accelerated bridge construction (ABC). ABC will be used on all upcoming projects that include major structural work in order to significantly reduce impacts to the roadways. This half day session will present many of the methods of ABC, lessons learned, and issues, challenges, and successes of ABC. It will also showcase several projects at all levels of design and construction, such as the cutting edge SPMT (Self-Propelled Modular Transport) replacement of the 4500 South over I-215 structure. There will be an hour and a half round table discussion for anyone to bring up their questions or concerns.

Time Required: ½ Day Workshop